



Spray Lake Sawmills DFMP ANNUAL REPORT MONITORING REQUIREMENTS

The following list identifies those DFMP objectives that are specified for inclusion in the Annual Monitoring Report. The 5-year Stewardship Report is more comprehensive and reviews all the DFMP objectives. Yellow highlighting indicates the specific information required by Alberta Sustainable Resources Development.

<p>Access</p>	<ul style="list-style-type: none"> • List and map of access controls. (<i>AOP maps and LOCs</i>) • Km of road (class iv temporary and higher) constructed by SLS. (<i>AOP maps and GPS records</i>) • Km of road reclaimed by SLS. (<i>class iv temporary and higher</i>) (<i>GPS records and Road Maintenance and Abandonment Plan</i>) • Road density assessment – compare to baseline 2004. (<i>GIS exercise using methodology in Ch. 2</i>) • Highlight results of SLS road inspection program.
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Operations

Access Management Objectives:

- Minimize the impact of access development on the environment and other land uses.

<p>Soil conservation</p>	<ul style="list-style-type: none"> • Interior block road/landing percentages. (<i>Final Harvest Plans/AOPs</i>)
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Soil Conservation Objectives:

- Minimize the impact of our activities on soil productivity.
- Minimize soil erosion from our operations.

Harvest Planning & Integration

Wildlife Objectives:

- Develop a landscape level understanding of wildlife habitat needs both spatially and temporally.
- Maintain habitat for key species over time at the landscape level.
- Incorporate wildlife habitat needs in operational planning.

<p>Wildlife biodiversity</p>	<ul style="list-style-type: none"> • Listing of sensitive wildlife sites – SRD and SLS identified. (<i>Final Harvest Plans/AOPs</i>) • Wildlife habitat suitability assessment against baseline (2001) and modeled projections. (<i>GIS exercise following Ch 2 methodology</i>) • Fragmentation assessment against baseline (2001) and modeled projections. (<i>Follow Ch 2 methodology</i>)
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Vegetation Objectives:

- Gain an understanding of the vegetative diversity across the FMA
- Maintain the natural vegetation range of variability across the landscape at key points in time.
- Protect rare ecosystems and ecosites
- Retain structural attributes within harvest areas and fire salvage areas.
- Retain tree species genetic diversity across the landscape.

<p>Vegetation biodiversity</p>	<ul style="list-style-type: none"> • Seral/cover group assessment against baseline (2001) and modeled projections. (<i>GIS exercise based on harvest updates</i>) • Update ANHIC data for FMA. (<i>See Historical resources and unique areas</i>) • Merchantable volume and area of block level structural retention. (<i>Methodology in Ch 5.4.1.1</i>)(<i>See sustainable timber supply</i>) • Document AVI update activities from annual program results.
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Community Timber Program Objectives:

- Recognize and honor the fixed volume commitments contained in the FMA.

Community Timber Use Program	<ul style="list-style-type: none"> Volume and area of CTU timber harvested. <i>(Based on annual reporting by SRD)</i>
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Forest Protection (Fire) Objectives:

- Support the Government of Alberta's forest fire protection activities.

Forest protection (fire)	<ul style="list-style-type: none"> Document fire smart initiatives on the FMA. Document burned area summaries and salvage and reforestation activities. <i>(SRD fire boundary information, Salvage AOPs, Silviculture schedule)</i> Document holding and protection offset projects.
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Historical Resources Objectives:

- Protect historical resources across the FMA.
- Identify and protect unique areas.
- Identify and protect rare ecosites within the FMA.

Historical resources and unique areas	<ul style="list-style-type: none"> Listing of historical resource finds. <i>(Annual archaeological assessments)</i> Listing of historical resource protection activities. Listing of unique area (rare ecosite) finds. <i>(See vegetation biodiversity)</i> <i>(Final Harvest Plans and public input)</i> Listing of unique area (rare ecosite) protection activities.
Vegetation biodiversity	<ul style="list-style-type: none"> Update ANHIC data for FMA.

Sustainable Timber Supply Strategies:

- Provide a continuous supply of timber to our mill site.
- Manage the forest landbase within the FMA and the B9 Quota area on a sustained yield basis based on a balance of ecological, economic and social values.

Sustainable timber supply	<ul style="list-style-type: none"> Harvested volumes and areas by strata and compartment. <i>(Summary of delivered volumes and GPS block areas)</i> Assess variance between volume harvested and volume projections from the TSA. <i>(Spreadsheet exercise)</i> Assess the variance between compartment harvest design and the DFMP spatial harvest sequence. <i>(GIS exercise)</i> Growth and yield program plot establishment and measurement. <i>(Activity summary)</i>
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Forest Landbase Objectives

- Identify opportunities for offsetting the impact of other industrial users on the productive forest landbase within the FMA.
- Minimize the loss of productive forest landbase.



Integration with Other Commercial Users - Objectives:

- Minimize our footprint on the environment to reduce the collective footprint.
- Work with other commercial users to minimize the impact of activities on each other's interests.

Sustainable timber supply	<ul style="list-style-type: none"> • Document Inventory update activities. <i>(e.g. AVI, Land Use Activity, Harvest Activity)</i> • Monitor against factors contributing to the 7.5% AAC deduction in the TSA. <i>(GIS exercise to quantify landbase removals. Structural retention measured as per Ch 5.4.1.1)</i> • Assess cull level for the next DFMP (2016) by assesses scaling records.
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Reforestation Objectives:

- Meet our obligations in reforesting all harvested areas.
- Identify areas where alternate reforestation strategies may be necessary and where alternate reforestation standards need to be developed.

Reforestation	<ul style="list-style-type: none"> • Update Silvicultural Strategy Summary in terms of post harvest treatments by strata. <i>(Silviculture schedule and ARIS reporting)</i> • Regeneration survey results. <i>(Summary of block surveys)</i> • Assess regeneration lag. <i>(SRD methodology – September 20, 2004)</i> • Regeneration performance on interior block roads and landing.¹ • Regeneration damage summaries including grazing damage. <i>(Grazing Timber Agreement inspections, regeneration surveys)</i>
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¹ Regeneration performance monitoring will include quantifying the area disturbed by interior block roads and landings for 2003 and 2004, establishing a program to monitor performance, report actual performance in the stewardship report 2011 and provide SRD with detailed silviculture strategies for reclamation. At this point it is believed that normal silvicultural practices are successful. The Alberta Forest Products Association is currently reviewing the document "Roads and Processing Areas Monitoring Protocol" prepared by SRD. SLS will follow the outcome of this review/discussion process and including the monitoring protocol in its ground rules. Pending the outcome of the Provincial level discussions, SLS has developed a five step program.